



Operating Systems Section:



DISA-DECC MECHANICSBURG

Defense Information Systems Agency ■ Defense Enterprise Computing Center

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System Support Section: Overview

- **Operating Systems**

supported: z/OS, OS/390, VM, z/VM, Linux

- **Customers:** Worldwide users and application developers of mainframe systems at DECC Mechanicsburg.

- **Roles**

- Coordinate operating system upgrades. (z/OS and z/VM)
- Operating System maintenance.
- 3rd party software installation and maintenance.
- User problem determination.
- Recommend and implement DISA standard software.
- Unix System Services.
- Mainframe Web Services.
- Assembler programming.



System Support Section: Contractor Skills Required

- **Keep software current and state of the art.**
 - 11 z/OS 1.4 operating systems maintained by CDB321.
 - 17 OS/390 R2.10 maintained by CDB321.
 - 5 VM operating systems at R2.3 or R2.4 awaiting license for new Z/VM operating system.
 - CDB321 responsible for over 200 pieces of software that must be kept current so that vendors will continue their support.



System Support Section: Contractor Skills Required

- **Standardize Systems and eliminate duplicate and unique software.**
 - Inherited systems have unique standards and many different kinds of software.
 - Standardization of software leads to efficiency and lower software costs by eliminating unique software.
 - Critical for implementation of Parallel Sysplex which is a long term goal for 'never go down' technology scenario.



System Support Section: Contractor Skills Required

- **Test, implement, and maintain Parallel Sysplex for DISA and SMC Mechanicsburg.**
 - 11 systems at DECC Mechanicsburg currently running in a Parallel Sysplex configuration.
 - Needed to achieve 'Never Go Down' computing concept in support of customers and end-users.
- **Develop COOP procedures and support COOP requirements in conjunction with the Assured Computing concept currently being implemented by DISA.**



System Support Section: Contractor Skills Required

- Provide guidance, planning and leadership for operating system software installation.
- Primary focal point for technical problem solving by identifying system software defects and applying vendor fixes.
- Track and insure compliant configurations of system software are installed on operating systems.
- Provide 24x7 technical support for customers.
- Represent SMC Mechanicsburg at DISA technical meetings and evaluate technical solutions.
- Provide programming support for unique Government developed software serving as Operating System interfaces and customer utilities.



System Support Section: Future Initiatives

- **Support Transformation.**
 - Support mainframe operating systems remotely at designated DISA processing sites.
 - Assume increased mainframe system software responsibilities as designated by reorganization.
- **Upgrade VM systems to z/VM.**
- **Finish upgrades to z/OS 1.4 on 17 OS/390 systems.**
- **Implement Linux under VM to support server consolidation.**
- **Increase mainframe Web use.**
- **Cut Costs through efficiency.**



System Support Section: Contractor Skills Required

- z/OS and z/VM expert-level technical support service.
- z/OS and z/VM expert-level third party software support that encompasses the full spectrum of support including analyzing requirements, installation, problem solving, maintenance and end-user support.
- Expertise in planning, coordinating z/OS and z/VM system upgrades and conversions, including third party product installation and operating system compliance and maintenance using SMP/E.
- Expertise in planning, coordinating and implementing system migrations (relocations of hosts, Logical Partitions, applications).
- Assembler skills to research and maintain z/OS system exits and other assembler written programs.
- Expert-level z/OS Software Support in the area of parallel sysplex implementation and support.
- Competency in providing technical and user training in the assigned area of expertise or in newly acquired software.



System Support Section: Contractor Skills Required

- Technical advice and consulting services for application programs and the resolution of associated operating system problems during development, testing, and production modes.
- Provide technical and engineering support experience in the working of system software utilities, programming languages, compilers, and Language Environment(LE).
- z/OS third party software in the following areas: Performance Monitoring, Report Management and Distribution, Automation, Scheduling, Security, ISPF tools, Programming Languages, Data Utilities, Time Manipulation, Programming Tools and Aids, TSO/ROSCOE, Websphere.



System Support Section: Contractor Skills Required

- Provide technical and engineering support for VM program products, especially Office Systems such as: Office/Vision, ECFORMS (electronic forms package) and CALLUP.
- Provide technical support of Sterling Software products (VMOperator, VMTape, VMBackup, etc.). Provide status/activity reports, when requested, to the TAO for review and comment.
- Provide technical support of VM Networking (RSCS, GCS, VTAM, TCP/IP) products and support problem determination and resolution.
- Engineer web solutions for assisting customers with communications and application upgrades on VM systems. Provide consultation and training for implementation of web solutions on VM systems.
- Provide technical support of VM Networking (RSCS, GCS, VTAM, TCP/IP) products and support problem determination and resolution.



System Support Section: Future Contractor Skills Required

- Linux System Administration.
- Websphere Webmaster skills.